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I, JULIE BILLINGSLEY, TEAM LEADER EXAMINATION SUPPORT AND SALES hereby certify that annexed is a true copy of the Provisional specification in connection with Application No. 2003905091 for a patent by OWEN DEREK BARR as filed on 18 September 2003.



WITNESS my hand this
Fourteenth day of July 2004

JULIE BILLINGSLEY
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AUSTRALIA

Patent Act 1990

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Provisional Specification:

Invention Title: **WALL COVER.**

Technical field: **Building and Construction.**

The invention is described in the following statement:

5 The invention is a multi-layered wrapping which provides a durable and flexible web that can be stretched over a base surface of a building or structure, to support an outer surface protective coating or render.

10 The essential items regarding this invention is an inner protective layer, an outer blanket layer, and an adhesive layer between the blanket layer and the protective layer . This inner protective layer is peeled away to allow this blanket layer to adhere to the base surface

15 Further optional layers may be added which include a building paper, an inner metallic reflective foil, and an outer reflective foil, and adhesive layers which bond these adjacent webs. All or some of these optional layers may be bonded to the essential items.

Drawings:

(Attached to this application)

20 fig 1: configuration of layers shows sectional diagram of elements of the wall cover.

25 note: The details indicated in this drawing should be considered in all respects as illustrative and not restrictive.

General Description:

30 (Refers to the attached drawing fig 1.)

The multi-layered wrapping consists of successive layers of webs which are bonded together using adhesives, fusion, or other bonding processes.

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Essential items: The essential items regarding this invention include an outer blanket layer (10), and an inner protective peel away layer (2) and the adhesive layer (3) between these layers (2) and (10).

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Optional items: Furthermore, the invention embraces optional items, some or all of which may be added and bonded to the essential items.

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Option I: Here the optional layers include a building paper layer (6) and adhesive layer (3) between the protective peel away layer (2) and (6), and a further adhesive layer (7) between (6) and (10).

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Option II: Here the optional layers include an inner layer of metallic reflective foil (4) with a bonding layer (5) which bonds the foil (4) to any layer outside the foil (4). The foil (4) may be bonded to the peel off layer (2) by the bonding layer (3).

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Option III: Here the optional layers include an outer layer of metallic reflective foil (8) and a bonding layer (9) which bonds the foil (8) to the outer blanket (10). The foil (8) is bonded to any internal layer by adhesive layer (7).

General Description of outer blanket layer (10):

Typically, the blanket layer (10) is 2mm to 5mm thick and has sufficient durability and composition to provide grip for the outer protective coatings (11), and provides overall strength and flexibility to stretch over the base surface (1).

Typically the blanket layer (10) is constructed of a three dimensional matrix of woven or matted material, which may be a plastic or other durable material. It is desirable, but not essential that this blanket layer (10) is constructed of a non-corrosive material, typically plastic or fibreglass threads. Recycled plastic may be used to provide these plastic threads.

Application of the Invention:

(Refers to the attached drawing fig 1:)

The invention is preferably manufactured as a multi-layered wrapping form, with all layers bonded together at the manufacturing site. The wall cover can be manufactured in convenient size and weight for handling and shipping, including roll form.

In the application of the wall cover the inner protective paper layer (2) is peeled away from the innermost layer of the wall cover to adhere to the outer surface of the base wall (1), bridging the small gaps and joints of the base wall (1). Then a series of coatings (11) are applied to the outer blanket layer (10) to assist the wall in weathering, and to provide an even outer surface.

In a similar application, the wall cover may be attached to an internal base wall to cover the wall including the gaps and cracks in that wall, and to provide a flexible support web for subsequent render or paint.

95 The wall cover may be delivered to the building site in a roll form.
The wall cover is unrolled with its inner surface placed against the
base wall, peeling off the sacrificial protective paper layer before
sticking the wall cover to the base surface. Once the first wall cover
roll is completely rolled out and stuck down to the base wall, a second
roll is stuck to the base wall with adjoining edges butting, and the
100 adjacent blanket strands interwoven. This process is continued until
all of the base wall is covered in wall cover. Then one of the selected
surface coatings is applied to the outer surface of the wall cover, and
built up to achieve a flat and acceptable surface. The process of
rendering the outer surface, can be stopped at any time, and
105 continued at a later time, to suit the site conditions.

These surface coatings may be typically

- (i) a cement render combined with a weather sealant, or
- (ii) an acrylic paint, or
- 110 (iii) a plastic surface-render.

Advantages of the Invention:

115 1. The wall cover can be stretched over a base surface that has
uneven surface and gaps. Therefore there is less stringent quality
required in the preparation of these base surfaces if this wall cover
process is used. The construction of the base surface can be
executed by less skilled persons than tradespersons, therefore
reducing manpower costs. Other base surface treatments need more
120 stringent preparation requiring skilled tradespersons, and associated
costs.

125 2. The application of the wall cover to a base surface requires only
semi-skilled manpower and requires a minimum of equipment. The
process can be tailored to suit the applicator's timetable without
effecting the quality.

wall cover

130 3. The application of a render or protective paint to the wall cover requires only semi-skilled people. The applicator may work intermittently, returning to the wall cover to suit their timetable and weather conditions, without effecting the quality.

135 Other similar rendering preparations require skilled tradespersons to apply a reinforcing mesh at the same time as a render application, and to continue without breaks in the surface. This limits the on site efficiency and costs.

140 4. This wall cover process may be used for new construction and refurbishment of existing buildings and other structures.

5. There is reduced site preparation, saving site time and costs.

145 6. There is little waste of the wall cover, since all offcuts can be used to cover patching areas and future works.

7. The wall cover material is portable, and easily handled by unskilled persons.

Dated this 18th day of September 2003.

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Owen Derek BARR
Applicant and Inventor.

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Wall Cover

Notes:

(ii) The numbers (1 to 11) shown below, indicate each element referred to on page 3 of the attached provisional specification.

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